

DESCRIPTION

The LRC LED Recessed Canopy Luminaire is specifically designed for recessed applications in single or double skin canopies. Three specialized optics are optimized for efficiency and uniformity, delivering high light levels on task. Typical applications include retail gas stations, convenience stores, banks and pharmacy drive thru canopies. UL/cUL listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Heavy-duty cast aluminum housing with aluminum mounting frame. Wet location driver enclosure is elevated to prevent water ingress. 1/2" knockouts provided for wiring connections. IP66 Rated.

Optics

Dedicated optical cavities for the array of 16 individual LEDs to maximize the efficiency and control of the distribution out of each module. To enhance visual comfort, a glare-reducing optical system is utilized to maximize delivered lumens while minimizing glare. Scalable in 1, 2 or 4 Light Square LED modules to optimize cost and lumen output. Each reflector is precision manufactured via injection molding and coated with a highly reflective optical coating via vacuum metallization. Two symmetric optics and one asymmetric optic are specifically designed for efficiency and uniformity. Offered standard in

4000K (+/- 275K) CCT and nominal 70 CRI. Optional 6000K CCT with nominal 70 CRI, and 3000K with nominal 80 CRI.

Electrical

LED driver is enclosed in a wet location box, designed to manage thermals for longevity. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Optional proprietary circuit module designed to withstand 10kV of transient line surge. 90% lumen maintenance expected at 60,000 hours. The LRC LED Recessed Canopy Luminaire is suitable for operation in -40°C to 40°C ambient operations.

Mounting

Designed to recess in single or double skin canopies. Luminaire can be installed from above or below canopy, through 14" square cutout in the canopy.

Finish

Housing and lens frame are finished in super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard housing and lens frame trim finished in true white color. Optional lens frame trim colors include white, grey, black, bronze, dark platinum, and graphite metallic. RAL and color matches available.

Warranty

Five-year warranty.



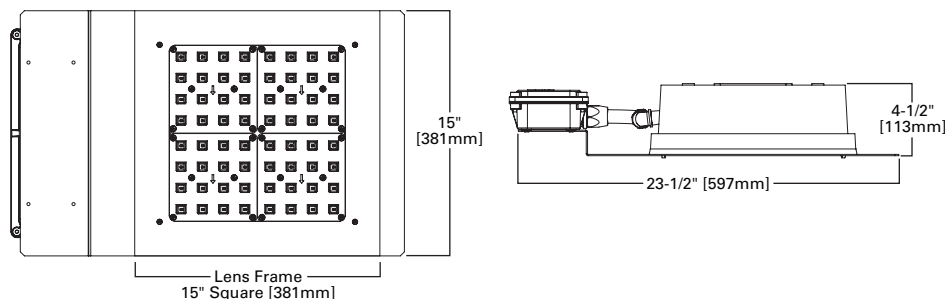
LRC LED RECESSED CANOPY

1, 2 or 4 Light Squares

Solid State LED

CANOPY LUMINAIRE

DIMENSIONS



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
ISO 9001

ENERGY DATA

Electronic LED Driver

>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Maximum Ambient Temperature

SHIPPING DATA

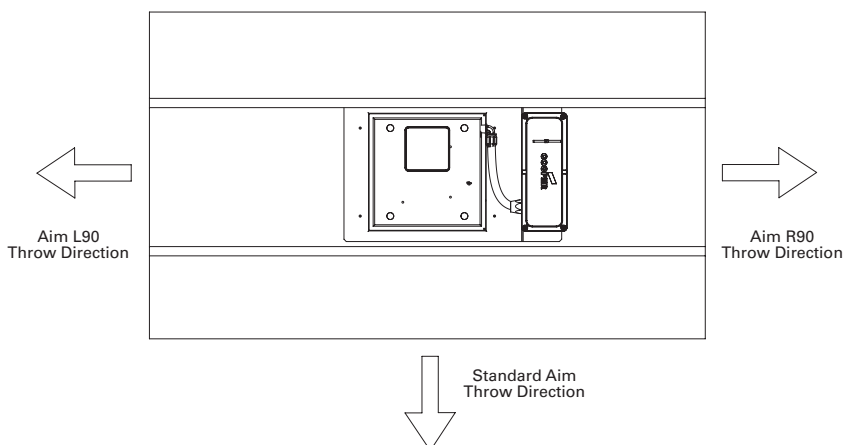
Approximate Net Weight:
20-29 lbs. (9.07-13.15 kgs.)

POWER AND LUMENS BY NUMBER OF LEDs

Number of LEDs	LED Drive Current	Input Wattage	Input Current (Amps)		Optics	MST	VAT	WST
			120V	277V				
16	700mA	37W	0.33	0.15	Lumens	3,099	2,987	3,026
					BUG Rating	2-0-0	2-0-0	1-0-0
	950mA	50W	0.41	0.19	Lumens	3,841	3,702	3,751
					BUG Rating	2-0-1	2-0-0	2-0-0
32	350mA	35W	0.30	0.14	Lumens	3,448	3,323	3,367
					BUG Rating	2-0-0	2-0-0	2-0-0
	450mA	46W	0.40	0.18	Lumens	4,285	4,130	4,184
					BUG Rating	2-0-1	2-0-0	2-0-0
	700mA	73W	0.62	0.23	Lumens	6,048	5,829	5,906
					BUG Rating	3-0-1	3-0-0	2-0-0
64	350mA	69W	0.59	0.28	Lumens	6,679	6,439	6,524
					BUG Rating	3-0-1	3-0-0	2-0-0
	450mA	88W	0.77	0.36	Lumens	8,212	8,019	8,125
					BUG Rating	3-0-1	3-0-0	3-0-0

NOTE: Lumen values tested at 4000K CCT.

VAT OPTIC ORIENTATION



LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

ORDERING INFORMATION

Sample Number: LRC-B64-4-LED-E1-VAT

Product Family	Generation	Number of LEDs	Drive Current ¹	Lamp Type	Voltage	Distribution	Trim Color
LRC=LED Recessed Canopy	B=B	16=16 32=32 64=64	1=950mA 3=350mA 4=450mA 7=700mA	LED=Solid State Light Emitting Diodes	E1=Electronic 120-277V 347=347V 480=480V ²	VAT=Vertical Asymmetric WST=Wide Symmetric MST=Medium Symmetric	[Blank]=True White AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Option (Add as Suffix)						Accessories (Order Separately)	
10K=10kV Surge Module 2L=Two Circuits ³ L90=Optics Rotated 90° Left ⁴ R90=Optics Rotated 90° Right ⁴ 7060=70 CRI/6000K CCT ⁵ 8030=80 CRI/3000K CCT ⁵						MA1253=10kV Circuit Module Replacement	

Notes:

- 950mA available only in 16 LEDs. 700mA available in 16 or 32 LEDs. 450mA available only in 32 or 64 LEDs. 350mA only available in 32 or 64 LEDs.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Not available in 347V or 480V. Not available with 16 LEDs. Not available with 32 LEDs in 350mA or 450mA.
- Only applies with VAT distribution. MST and WST distributions are symmetrical.
- Consult factory for lead times and lumen multiplier.